

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PrentaLux

Report Number: P1503848

Luminaire Tested: PRLX-SM4-03-LS-FS-D2W-XXXX-BRSS-XX-ND (2700K-1000LM)

Issue Date: 7/28/2026

Test Information

Test Method: LM-79-2024
Report Number: P1503848
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2606-836-9)
Test Lab: INNOVATION CENTER
Issue Date: 7/28/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-SM4-03-LS-FS-D2W-XXXX-BRSS-XX-ND (2700K-1000LM)
Description: PrentaLux Fluxyn SM4 SURFACE MOUNT, DISC, NO DIFFUSER, BRASS REFLECTOR
LIGHT LEVEL 3 - 1000 NOMINAL LUMENS
Light Source: SELECTABLE CCT - 2700K CCT, 90 CRI - DIM TO WARM (1800K)
Ballast/Driver: ELECTRONIC DRIVER

Summary

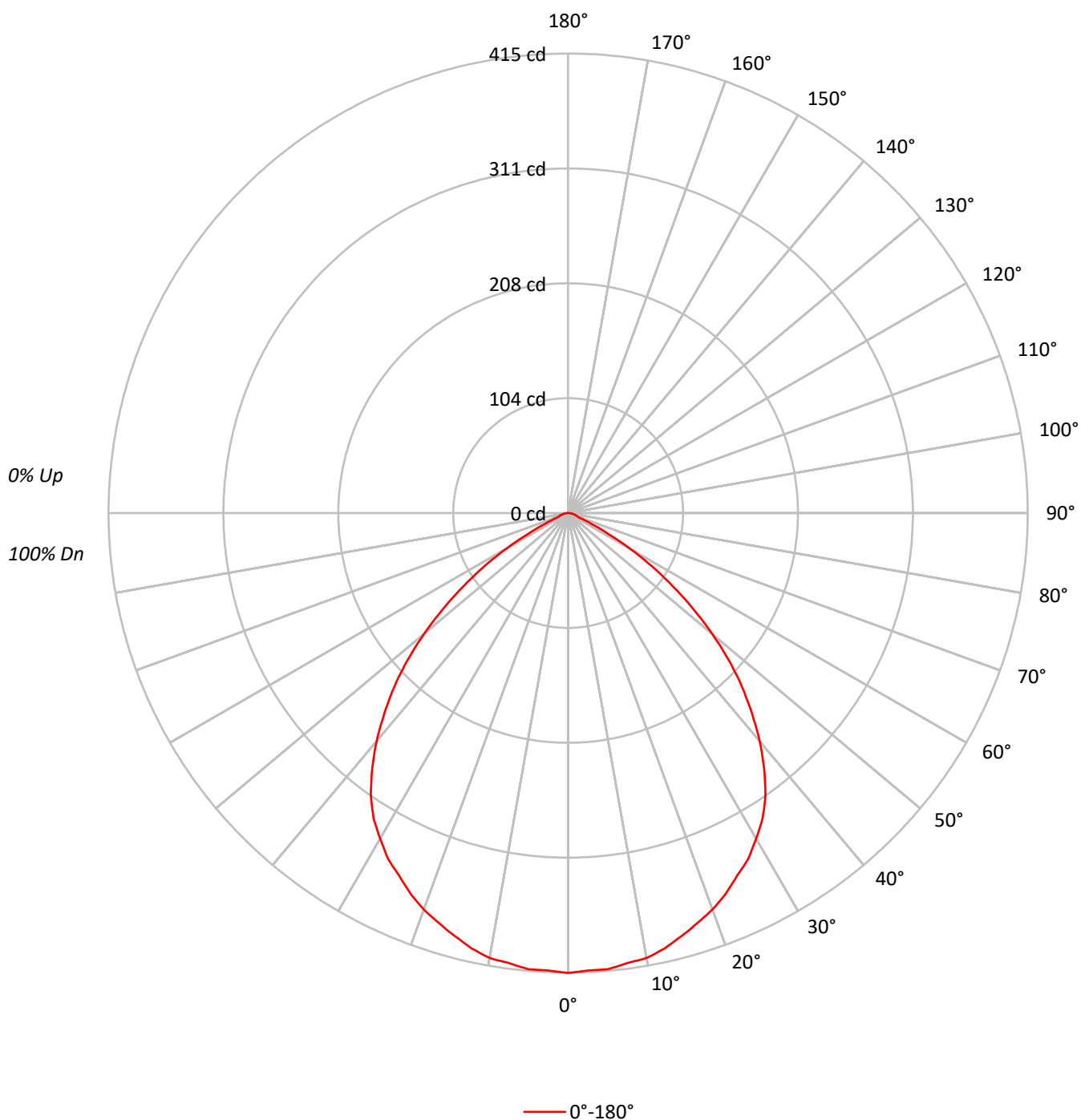
Lumens per Lamp: N/A
Luminaire Lumens: 820.5 lumens
Efficiency: N/A
Efficacy: 71.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.27
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 11.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0			
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	90			
2	104	97	92	87	101	95	91	86	92	88	84	89	86	83	86	83	81	79			
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	71	70			
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	61			
5	83	72	64	58	81	71	64	58	69	62	58	67	61	57	65	60	56	55			
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	49			
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44			
8	67	55	47	42	66	54	47	42	53	46	42	52	46	42	51	45	41	40			
9	63	51	43	38	62	50	43	38	49	43	38	48	42	38	47	42	38	36			
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	38	34	33			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	12806
5°	12800
10°	12778
15°	12626
20°	12503
25°	12290
30°	12088
35°	11692
40°	10832
45°	9686
50°	8146
55°	6215
60°	4009
65°	1715
70°	811
75°	858
80°	639
85°	637

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 9686 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.2	4.8
10°-20°	111.6	13.6
20°-30°	166.7	20.3
30°-40°	192.7	23.5
40°-50°	170.1	20.7
50°-60°	103.6	12.6
60°-70°	27.6	3.4
70°-80°	6.9	0.8
80°-90°	2.0	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	317.6	38.7
0°-40°	510.3	62.2
0°-60°	784.0	95.6
0°-90°	820.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	820.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	415	
5°	414	39
15°	396	112
25°	361	167
35°	311	193
45°	222	170
55°	116	104
65°	24	28
75°	7	7
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	415.3
2.5°	413.5
5°	413.5
7.5°	409.9
10°	408.1
12.5°	402.7
15°	395.5
17.5°	388.3
20°	381.0
22.5°	372.0
25°	361.2
27.5°	352.1
30°	339.5
32.5°	326.9
35°	310.6
37.5°	290.7
40°	269.1
42.5°	245.6
45°	222.1
47.5°	196.8
50°	169.8
52.5°	142.7
55°	115.6
57.5°	90.3
60°	65.0
62.5°	41.5
65°	23.5
67.5°	10.8
70°	9.0
72.5°	7.2
75°	7.2
77.5°	5.4
80°	3.6
82.5°	3.6
85°	1.8
87.5°	0.0
90°	0.0

(END OF REPORT)